

Volume 11, No. 1

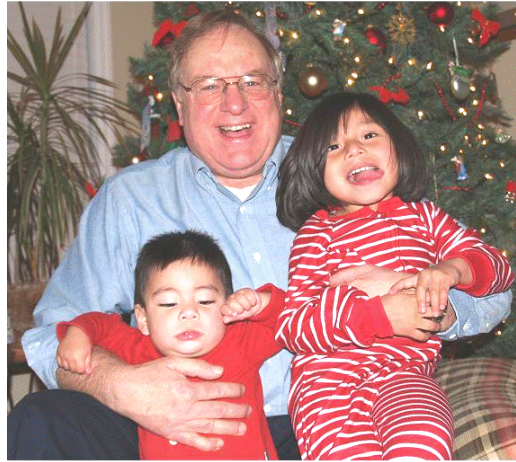
June 2007



DIVISION OF WATER, GROUNDWATER BRANCH

KENTUCKY DRILLER'S NEWSLETTER

Best Wishes to Mr. Harold Lee Who Retired After 30 Years of Service



The Groundwater Branch along with the Kentucky certified drillers bid a fond and somewhat belated farewell to Harold Lee who retired in November 2006 after 30 years of service. Harold joined the state in 1976 after serving in the Air Force. Harold started working for the state before there was a Division of Water and was witness to many changes within state government over the years. If you ever had the pleasure of meeting or working with Harold, then you know how much his presence here in the Groundwater Branch will be sorely missed. Harold was the resident expert on the driller's program within Kentucky. He administered the driller's certification program and assisted hundreds of drillers in obtaining their certifications. Harold's plans for retirement are to sleep in, work as the President of Woodford County Historical Society, attend UK basketball games and enjoy his grandchildren. Harold we thank you and we wish you and your family much health and Godspeed.



KentuckyUnbridledSpirit.com

Environmental and Protection Cabinet
Department for Environmental Protection
Division of Water

Other Driller News

The Groundwater Branch would like to welcome Skip Castleman to the Technical Services Section. Skip is assuming the duties and responsibilities of Harold Lee's position. Skip comes to us after serving 23 years in the U.S. Navy and earning a biology degree from the University of Kentucky. If you have any questions regarding the driller's program give Skip a call, he is working hard at becoming increasingly knowledgeable of the program.

We are saddened to report that James E. Allen, 88, of Langley, Kentucky died Thursday February 1, 2007. James is survived by his wife Violet, his sons James L. Allen and Mick Turner, and grandsons Barron and Jon Allen and David Turner. James E. Allen has been certified as a water well and monitoring well driller in Kentucky since the inception of the program in 1985. From the Groundwater Branch in Frankfort and drillers throughout Kentucky we extend our condolences to the Allen family.

Drillers Annual Training Requirement

If you are not using the Kentucky Ground Water Association's annual workshop for your annual training requirement, you may use other approved training. To insure that the training you plan on using for your 3-hour annual training requirement will be acceptable, you must receive **prior approval** from Division of Water. The following information must be submitted to the Groundwater Branch:

1. An agenda/ syllabus of the training subject(s) to be presented. Also include the date of the training and the number of class hours for each subject.
2. Mail, fax, or call in the information outlined above to the Groundwater Branch for **pre-approval**. The point-of-contact at Groundwater Branch is Joe Moffitt (502-564-3410, extension 597).
3. When you complete the training, obtain a certificate or a signed document of attendance listing the hours and subject of the class.
4. Send the documentation of your training with your driller renewal application to the Groundwater Branch.
5. If you receive more than three hours of approved training in one year, you can carry over up to three hours of approved training to the following year.

Also, regarding recertification the "2007-2008 Well Driller's Recertification Renewal Application" can be downloaded for your convenience at the Well Drillers Program website:
<http://www.water.ky.gov/gw/gwtech/gwdrill/>. Navigate along the sidebar to "Forms and Applications".



Well Records and Supporting Paperwork

As well record reviewers, we sometimes see trends form in the way records are submitted that often lead to many phone calls and several NODs. We decided to start a column in the Driller's Newsletter to offer some observations and suggestions so that we receive the information we need and you do not have to stop what you are doing to deal with a phone call or a letter.

We are receiving more and more variance wells that do not have the variance request signed by the homeowner or the second Bacterial ("Bac-T") sample results submitted along with the well record. When you sit down to sign the well record and prepare to send it to us, please double-check that you have included all the necessary supporting documents with the well record. Here's what to be sure to include:

Water Well Records	Monitoring Well Records
<ul style="list-style-type: none">• Water Well Record (Form DEP-4045)• Well Water Bacterial Report (Form DEP-2012) – 2 collections for variance wells• Water Well Variance Request (Form DEP-6036), if applicable, signed by GWB, driller <u>and</u> the property owner• Site Sketch Map (indicating location of well relative to other features at the site) on the DEP-4045 form• Topo Map (with "X" indicating well location) <u>or</u> GPS form (indicating lat/long coordinates)	<ul style="list-style-type: none">• Monitoring Well Record (Form DEP-8043)• Well Construction Diagram• Drilling Log (if available)• Site Map (indicating location of well relative to other features at the site)• Topo Map (with "X" indicating well location) <u>or</u> GPS form (indicating lat/long coordinates)

Except for the drilling log, these forms are all available for download at your convenience at the Well Drillers Program website: <http://www.water.ky.gov/gw/gwtech/gwdrill/>. Navigate along the sidebar to "Forms and Applications" to find links to both monitoring well and water well forms listed above. Topo maps are available to print out, for free, at topozone.com. If you need help navigating this website, instructions are available to download toward the bottom of the Groundwater Protection Plans page at <http://www.water.ky.gov/gw/gwprotection/gwplans/>, or you can contact Deven Tolliver for instructions.

Additionally, we have a new form available for you to report maintenance and plugging of monitoring wells. This form is the result of a group effort between the Well Drillers Program and several programs in the Division of Waste Management, including the UST, Hazardous Waste and Superfund Branches. You are welcome to download this form from the "Monitoring Well Driller Forms" page, but it is intended to be a double-sided document with the instructions on the back, so don't forget to print the second page for necessary information regarding the format of a few of the sections.

Also, as you know, well records must be submitted to the Groundwater Branch within 30 days of completion of well installation. However, variance wells require two bacteriological analyses; the first within 30 days of well completion, and the second after 30 days, but before 60 days, after well completion. Because of the timing requirements of the Bac-T samples, variance well records – and only variance well records - may exceed the 30-day deadline so that all the paperwork can be submitted together at one time. Variance wells must be sent in within 60 days of well completion.

As always, if you have any questions, feel free to give us a call or drop us an e-mail:

Water Wells
Deven Tolliver
deven.tolliver@ky.gov
502-564-3410 x451

Monitoring Wells
Jo Blanset
jo.blanset@ky.gov
502-564-3410 x534



USAGE	USAGE BREAKDOWN	MONITORING WELLS			WATER WELLS			SUBTOTAL BY USAGE	SUBTOTAL BY USAGE
		ACTIVE	PLUGGED	UNKNOWN	ACTIVE	PLUGGED	UNKNOWN		
AGRICULTURE	Fish And Game Propagation				2			2	2235
	General				1			1	
	Irrigation				724	45	8	777	
	Livestock Watering				1417	23	11	1451	
	Poultry And Egg Operation				4			4	
COMMERCIAL	(General)				27	1		28	31
	Irrigation				3			3	
CONSTRUCTION	Dewatering Well				14			14	14
DOMESTIC	Multiple Domestic Households				146	1		147	28125
	Single Household				27595	262	121	27978	
HEAT PUMP- OPEN LOOP	Open Loop				136	44	7	187	187
INDUSTRIAL	(General)	10	14		445	99	15	583	589
	Manufacturing				3	2	1	6	
INJECTION	(General)				2			2	2
MINING	(General)	302	25	33	88	2	1	451	452
	Dewatering Well				1			1	
MONITORING WELL	Ambient Monitoring	15787	6185	843	57	8	2	22882	24565
	Compliance	7	3		1			11	
	Military Installation	11						11	
	Remediation	1063	222	11	1	1		1298	
	Water Level Monitoring Only	343	11		9			363	
PUBLIC	Community				313	37	58	408	963
	Exploration				9			9	
	Non-Transient, Non-Community				274	3	48	325	
	Transient, Non-Community				103	9	69	181	
	Unregulated				40			40	
UNUSED / UNKNOWN	(General)	2377	293	184	688	1806	1913	7261	7261
SUBTOTAL BY STATUS		19900	6753	1071	32103	2343	2254	Data compiled as of 12/2006	
GRAND TOTAL:		27724			36700				

Training Opportunities

For upcoming conferences, workshops or meetings contact:

American Ground Water Trust - Phone (603) 228-5444

www.agwt.org

Grundfos Pumps Corporation - Phone (913) 227-3400

www.grundfos.com

Warren Pump & Supply
Huntington, WV. - Phone (304) 429-6723

Ohio Water Well Association, Inc. - Phone (800) 537-6585

National Ground Water Association - Phone (800) 551-7379

www.ngwa.org

International School of Well Drilling - Phone (866) 983-9855

www.welldrillingschool.com FAX: (813) 983-9816

Redvector
<http://redvector.com>

Tennessee Water Well Association
Phone (423) 357-0815

Kentucky Ground Water Association
Phone (270) 251-3004
www.kygroundwater.org

South Atlantic Well Drillers Jubilee and
Virginia Water Well Association

In order to use training other than the Kentucky Ground Water Association's Annual Drillers' Workshop, you MUST contact Joe Moffitt or Skip Castleman at the Groundwater Branch. Phone: (502) 564-3410 extensions 597 and 653 respectively.

Groundwater Protection Plans

Generic Groundwater Protection Plans (GPP) for well drillers are available. Drillers are required to keep and implement a GPP. Also, generic GPPs for domestic wells and septic systems are available to homeowners. These GPPs can be located on the Groundwater Branch's Web site at: <http://www.water.ky.gov/gw/gwprotection/gwplans/> or by contacting Pat Keefe at (502) 564-3410 x445.



Call Before You Dig

Kentucky Underground Protection, Incorporated is a nonprofit organization established to provide a communication link between excavators and operators of underground utilities.

KRS 367.4901 to 367.4917 requires that you call two business days before you dig in the state of Kentucky.

The toll free number to call is:

1-800-752-6007

In Louisville, (502) 266-5123

Kentucky Driller Newsletter is a publication of the Kentucky Division of Water.

Inquiries should be made to:

**Skip Castleman
Kentucky Driller Newsletter
Division of Water
Groundwater Branch
14 Reilly Rd.
Frankfort, KY 40601**

Phone: (502) 564-3410 ext. 653

FAX: (502) 564-9899

Visit the Groundwater Branch Technical Services page on the Internet at:

<http://www.water.ky.gov/gw/gwtech/gwdrill/>

E-mail: denny.castleman@ky.gov



**Environmental and Public Protection Cabinet
Department for Environmental
Protection
Division of Water**

The Environmental and Public Protection Cabinet does not discriminate on the basis of race, color, national origin, sex, age, religion or disability and provides, on request, reasonable accommodations including auxiliary aids and services necessary to afford an individual with a disability an equal opportunity to participate in all services, programs and activities.

**Printed with state funds
on recycled paper**